

Abstract

PROVIDING DIFFERENT QUALITY OF SERVICES (QOS) TO DIFFERENT POINT-TO-POINT SESSIONS

An aggregation device providing different QOS to different point-to-point sessions.

- 5 Multiple virtual circuits, each to provide different QOS, may be provisioned. The aggregation device may be configured to indicate the desired QOS for each point-to-point session and the data related to each point-to-point session may be assigned to a virtual circuit providing the closest matching QOS. Alternatively, a service provider may statically specify the specific virtual circuit on which the data related to a specific point-to-point session is to be transmitted. Each point-to-point session receives a QOS provided by the assigned virtual circuit. As the content of each datagram received on a point-to-point session may not need to be examined for the purpose of assignment to a virtual circuit, an aggregation device may forward datagrams quickly.
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